INDEX Covering the Principal Subjects and Articles Which Appeared in Volume 36 of WIRE AND WIRE PRODUCTS from January to December, 1961, Inclusive.

Abstracts 512, 1702
About Nails 477
Address to Electric Wire and Cable Section
by R. J. Nossaman 999
Aluminum Industry Progress 598
Aluminum Insect Screening, Story of 1692
Aluminum Oxide Insulation 462
Aluminum Redraw Rod Production 69, 1349
Aluminum Statistics 372, 644, 922, 1590
Aluminum Wire & Cable in India 1403
An Analysis of Wire Insulating by the Fluidized Bed Process
by H. Y. Kumagai and D. I. Marshall 1675
An Employment Office in the Wire Industry: Some Aspects of its Responsibilities
by Mrs. Ivy Hobson 618
Annealing Copper Wire, Vacuum 209
Application of Paper Fillers in Electrical Cables
by R. L. D. Aigler 871
Automatic Drive Control Used in a Swiss Continuous Merchant and Rod Mill
by Leo Walter 606
Awards for 1960 Papers Announced by The Wire Association 772
Bead Wire 881
Brief Survey of Wire Rod Defects—Their Occurrence and Detection, A
by G. Earnshaw 591
Butyl Rubber Fillers 584
Cable, Concentric Lay, Length of Wire in 205
Cellular Vinyl, Extruded 861
Charts, Graphs and Diagrams for Use in the Wire Industry
by Eric F. Jubb, Esq. 1687
Coatings on Stainless Steel and High Nickel Alloy Wires
by Kenneth P. Brown 1018
Cold Facts About the American Steel Industry, The 1546
Cold Forging Parts from Wire 763
Cold Forging, Preparation of Steel Blanks for 759
Cold Heading, Processing Steel Wire for 1338
Color Reflectometer, The; An Instrument for the Continuous Measurement of the Color and Reflectivity of Fine Wire
by Theodore L. Weaver, Allan I. Michaels and Russell C. Nelson 316
Compatibility of Insulating Materials 1538
Construction Details and Processing Methods of Geophysical Cables
by Carroll P. McKenna 328
Continuous Conveyorized Loop Processing — A New Concept in Rod and Wire Handling
by John Zouck 1333
Continuous Dry Blend Mixing Process for Polyvinyl Chloride Compound
by Emanuel J. George 347
Controlling Quality of the Surface of Wire by Nondestructive Tests
by Henry G. Bogart 1393
Conveyor System Speeds Production 1028
Copper Powder Production 1346
Copper Rod Casting and Rolling 1349
Copper Statistics 376, 502, 653, 924, 1586
Copper-Titanium Alloy Properties 1378
Copper Wire Testing, Elongation 1370
Decarburization of Steel Wire, The
by Dr. Peter Fischer 336
Defect Detection, Surface 1525
Degassed Nickel and Nickel Alloys for the Electron Tube Industry
by Richard P. Waugh 61
Descaling Rod Mechanically 181
Developments in 300-600 Volt Miniature Flexible Insulated Lead Wire for Use at 700°-2000°F.
by Welton D. Parker 474
Diamond Die Finishing Method 1697
Diamond, Man-made 1559
Die Making Machines, New 1694
Die Shop Operations 1675
Do Molybdenum Disulfide — Containing Wire Drawing Lubricants — Have a Place in Your Mill?
by Walter A. Smigel and William M. Stillwell 313
Drawing Calculations 1133
Effect of Technical and Educational Development on the Labour Structure of the Wire Industry, The
by H. Coates, Esq. 457
Electric Conductors in India 1403
Electrical Heating Through Reinforcing Fabric 614
Electrogalvanizing Steel Wire 1321
Employment Procedures in the Wire Industry 618
Enameling Procedures 739
Establishing a Tape Standardization Program
by Robert W. Pallett 753
Evolution of Stranding Equipment for Exchange Area Cable at Western Electric Company
by Lester O. Reichelt 866
Extruded Cellular Vinyl
by Andrew D. Varenelli 861
Extrusion, Autogenous 202
Extrusion Equipment for Rubber and Plastics 192
Extrusion of Polyethylene and PVC Compounds Simultaneously 600
Extrusion, Using Vacuum Hopper 745
Fast Heating Accomplishes Uniform Spheroidizing of Heading Stock
by John Tschopp 463
Fasteners, Roll Threading of 1014
Fences are Fine
by Mary Atkins 345
Fillers for Butyl Rubber and Other Materials 584
Flat Wire Rolling 1530
Flexible Insulated Wire 474
Fluidized Bed Process Insulating 750
Forming Parts from Wire 763
Galvanizing Steel Wire, Electro 1321
Gauge and Tension Control in Steel Mill 884
Geophysical Cables 328
Heading Stock Spheroidizing 463
Heat Aging of Chemically Cross-Linked Polyethylene
by A. E. Tarbox 465
High Carbon Spring Wire Oil Tempering 1374

INDEX Covering the Principal Subjects and Articles Which Appeared in Volume 36 of WIRE AND WIRE PRODUCTS from January to December, 1961, Inclusive.

Abstracts 512, 1702
About Nails 477
Address to Electric Wire and Cable Section
by R. J. Nossaman 999
Aluminum Industry Progress 598
Aluminum Insect Screening, Story of 1692
Aluminum Oxide Insulation 462
Aluminum Redraw Rod Production 69, 1349
Aluminum Statistics 372, 644, 922, 1590
Aluminum Wire & Cable in India 1403
An Analysis of Wire Insulating by the Fluidized Bed Process
by H. Y. Kumagai and D. I. Marshall 1675
An Employment Office in the Wire Industry: Some Aspects of its Responsibilities
by Mrs. Ivy Hobson 618
Annealing Copper Wire, Vacuum 209
Application of Paper Fillers in Electrical Cables
by R. L. D. Aigler 871
Automatic Drive Control Used in a Swiss Continuous Merchant and Rod Mill
by Leo Walter 606
Awards for 1960 Papers Announced by The Wire Association 772
Bead Wire 881
Brief Survey of Wire Rod Defects—Their Occurrence and Detection, A
by G. Earnshaw 591
Butyl Rubber Fillers 584
Cable, Concentric Lay, Length of Wire in 205
Cellular Vinyl, Extruded 861
Charts, Graphs and Diagrams for Use in the Wire Industry
by Eric F. Jubb, Esq. 1687
Coatings on Stainless Steel and High Nickel Alloy Wires
by Kenneth P. Brown 1018
Cold Facts About the American Steel Industry, The 1546
Cold Forging Parts from Wire 763
Cold Forging, Preparation of Steel Blanks for 759
Cold Heading, Processing Steel Wire for 1338
Color Reflectometer, The; An Instrument for the Continuous Measurement of the Color and Reflectivity of Fine Wire
by Theodore L. Weaver, Allan I. Michaels and Russell C. Nelson 316
Compatibility of Insulating Materials 1538
Construction Details and Processing Methods of Geophysical Cables
by Carroll P. McKenna 328
Continuous Conveyorized Loop Processing — A New Concept in Rod and Wire Handling
by John Zouck 1333
Continuous Dry Blend Mixing Process for Polyvinyl Chloride Compound
by Emanuel J. George 347
Controlling Quality of the Surface of Wire by Nondestructive Tests
by Henry G. Bogart 1393
Conveyor System Speeds Production 1028
Copper Powder Production 1346
Copper Rod Casting and Rolling 1349
Copper Statistics 376, 502, 653, 924, 1586
Copper-Titanium Alloy Properties 1378
Copper Wire Testing, Elongation 1370
Decarburization of Steel Wire, The
by Dr. Peter Fischer 336
Defect Detection, Surface 1525
Degassed Nickel and Nickel Alloys for the Electron Tube Industry
by Richard P. Waugh 61
Descaling Rod Mechanically 181
Developments in 300-600 Volt Miniature Flexible Insulated Lead Wire for Use at 700°-2000°F.
by Welton D. Parker 474
Diamond Die Finishing Method 1697
Diamond, Man-made 1559
Die Making Machines, New 1694
Die Shop Operations 1675
Do Molybdenum Disulfide — Containing Wire Drawing Lubricants — Have a Place in Your Mill?
by Walter A. Smigel and William M. Stillwell 313
Drawing Calculations 1133
Effect of Technical and Educational Development on the Labour Structure of the Wire Industry, The
by H. Coates, Esq. 457
Electric Conductors in India 1403
Electrical Heating Through Reinforcing Fabric 614
Electrogalvanizing Steel Wire 1321
Employment Procedures in the Wire Industry 618
Enameling Procedures 739
Establishing a Tape Standardization Program
by Robert W. Pallett 753
Evolution of Stranding Equipment for Exchange Area Cable at Western Electric Company
by Lester O. Reichelt 866
Extruded Cellular Vinyl
by Andrew D. Varenelli 861
Extrusion, Autogenous 202
Extrusion Equipment for Rubber and Plastics 192
Extrusion of Polyethylene and PVC Compounds Simultaneously 600
Extrusion, Using Vacuum Hopper 745
Fast Heating Accomplishes Uniform Spheroidizing of Heading Stock
by John Tschopp 463
Fasteners, Roll Threading of 1014
Fences are Fine
by Mary Atkins 345
Fillers for Butyl Rubber and Other Materials 584
Flat Wire Rolling 1530
Flexible Insulated Wire 474
Fluidized Bed Process Insulating 750
Forming Parts from Wire 763
Galvanizing Steel Wire, Electro 1321
Gauge and Tension Control in Steel Mill 884
Geophysical Cables 328
Heading Stock Spheroidizing 463
Heat Aging of Chemically Cross-Linked Polyethylene
by A. E. Tarbox 465
High Carbon Spring Wire Oil Tempering 1374

High Vacuum Annealing: Its Use in Steel Wire Drawing and Cold Rolling Mills
by Dr. Werner Herdieckerhoff ... 470
History of Extrusion Equipment for Rubber and Plastics
by Victor M. Hovey ... 192
Importance of Wire in Spring Design, The
by Hal McVey ... 1141
Imports are Exporting Your Jobs ... 765
Improved Method of Production for Flattened Strand Ropes
by Leo Walter ... 1157
Insulating Materials, Compatibility of ... 1538
Insulating Wire with Polyethylene ... 1533
Insulating Wire and Cable with Silicone Rubber
by Donald R. Say ... 1420
Insulating with Silicone Rubber ... 877
Insulation, Aluminum Oxide ... 463
Introduction to Inventory Management for the Distributor
by John O. Todd, Jr. ... 1562
Investigation of Variables in the Zinc Socketing of Wire Rope and Strand
by Carl W. Smollinger and John V. Cornish ... 1677
Length of Wire in a Concentric Lay Cable
by Leslie Filepp ... 205
Logarithmic Function of Equi-Reduction in Multiple Drawing Operations
by Anton F. Mohrnheim ... 1133
Low Stress Elongation (LSE) Testing of Copper Wire
by Matti J. Saarivirta ... 1370
Lubricants, Molybdenum Disulfide ... 313, 995
Lubrication of Wire Rope ... 1696
Major Breakthrough in Die Making Machinery ... 1694
Mechanical Descaling of Steel Wire Rod in France
by Andre Line and Jean Peignier ... 181
Method for Tripping Power Circuit Breakers
by H. B. Ashenden ... 1149
Million Severely, Multi-Formed Parts Without Rejects Result from Wire with Consistent Tensile, A ... 763
Mixing PVC, Dry Blend ... 347
Modern Enameling and Packaging Procedures
by Fred J. Bieber ... 739
Molybdenum Disulfide in Wire Drawing ... 313, 995
Nails, Ancient ... 477
New Approach to Die Shop Operations, A
by Donald K. White ... 1669
New Developments in Wetting Agents
by Carl Alex Fischer ... 1146
New Installation for Preparation of Steel Blanks for Cold Forging
by Dr. Ing. H. D. Feldmann ... 759
New Packaging System for Prestressed Strand Developed by Roebling ... 760
Nickel Alloy Wire Coatings ... 1018
Nickel & Nickel Alloys for Electron Tubes ... 61
Novel Method for Speed Variation Used in Europe
by Leo Walter ... 762
Observations Upon Production Planning and Control in a Steel Wire Mill
by D. W. Bedford ... 886
Oil Tempering High Carbon Spring Wire with a Nitrogen Atmosphere Hardening Furnace
by A. I. Cidonio ... 1374
Outstanding Personalities of the Wire Industry 98, 228, 360, 494, 630, 781, 906, 1041, 1170, 1428, 1578, 1710
Packaging Prestressed Concrete Strand ... 760
Packaging Procedures ... 739
Packaging Wire ... 1333
Paper Fillers for Electric Cables ... 871
Parallel Paths of Progress for Aluminum and Electrical Industries ... 598
Patenting Process in the Production of High Quality Patent Steel Wire, The
by Arthur Cooper ... 1547
Pickle Liquor Regeneration ... 197
Place of Polyethylene as a Wire & Cable Insulation, The
by J. C. Norton ... 1533
Plastic Coated Steel Wire
by Dartrey Lewis ... 41
Plastic Ventilating System on Wire Coating Line Replaces Wood to Advantage ... 1151
Pneumatic Conveyor Paves Way for Production Speed-Up ... 1028
Pneumatic Crystallizer for the Continuous Regeneration of Pickle Liquor
by Dr. Ing. Eberhard Keetman and Dipl. Ing. Peter Niedner ... 197
Polyethylene, Coating Wire with ... 1338
Polyethylene, Cross-Linked Heat Aging ... 465
Polyethylene and PVC Extrusion Simultaneously ... 600
Polyethylene for Wire and Cable Insulation, High Density ... 1533
Polymer Requirements and Insulating Techniques for Obtaining the Maximum Benefits of High Density Polyethylene
by R. J. Ettinger ... 1142
Processing of Steel into Cold Heading Wire, The
by Robert W. Davis ... 1338
Production of Aluminum Redraw Rod by the Southern Electrical Company Method
by T. E. Colston and C. M. Fredrickson ... 69
Production by Autogenous Extrusion
by Alvin N. Gray ... 202
Production and Characteristics of Chemically Purified Hydrogen Precipitated Copper Powder
by Jack F. Whitaker ... 1346
Production Planning and Control ... 886
Progress Report on Molybdenum Disulfide as a Copper and Copper Alloy Drawing Lubricant
by Peter M. Magie ... 995
Progress Report on the New Model 7 Properzi Equipment for the Continuous Casting and Rolling of Copper, Aluminum and Zinc
by James B. Russell ... 1349
Proper Lubrication and its Relation to the Service Life of Wire Rope
by Peter W. Sherwood ... 1696
Properties and Applications of Some Specialty Wires
by Donald E. Thomas ... 73
Properties of Copper-Titanium Alloys
by William B. Steward, Jr. and James J. Powers, Jr. ... 1378
Properzi Process of Casting and Rolling Rod ... 1349
PVC Dry Blend Mixing ... 347
Quality Control in the Wire Industry
by E. F. Jubb ... 322
Regional Meeting of the Electric Wire and Cable Section of The Wire Association
by Edmund D. Sickels ... 756
Regional Meeting in San Francisco Draws Good Attendance ... 1010
Report on an Advanced Contribution to Diamond Die Finishing
by Howard F. Simmon ... 1697
Review of Recent Wire Patents, A 104, 236, 370, 504, 640, 788, 915, 1051, 1177, 1584, 1717
Revolutionary Heating System — Electrical Potential Applied to Reinforcing Fabric ... 614

Rod, Aluminum Redraw Production 69
Rod Defects, Wire 591
Rod Descaling, Mechanical 181
Rod Mill Controls, Automatic 606
Rod Mill, Loop Control System 1540
Rod and Wire Handling 1333
Roll Threading of Fasteners
by Richard H. Bell 1014
Rolle, Sidney — In Memoriam 761
Rolling Flat Wire in High-Speed, Multi-Stand Mills
by Frank Bares 1530
Rope, Flattened Strand 1157
Rope Making with Variable Back Twist 1398
Rope, Wire, Uses of 616
Screening, Story of Insect 1692
Semiconductive Compounds for Wire and Cable Extrusion
by A. E. Tarbox 1385
Silicone Rubber Insulated Wire
by Joseph D. Harrington 877
Silicone Rubber, Insulating Wire with 1420
Simultaneous Extrusion of Polyethylene and Polyvinyl Chloride Coatings on Electrical Conductors
by G. E. Henning 600
Socketing of Rope and Strand, Zinc 1677
Some Aspects of the Compatibility of Various Electrical Insulating Materials
by J. E. Sloat 1538
Some Recent Studies of Electrical Grade Fillers in Butyl Rubber and Other Insulating Materials
by W. F. Fischer 584
Some Theoretical and Practical Aspects of the Normal Force Effect in Polymeric Liquids and Melts
by Anthony J. Scalora and Charles E. Plymale 1000
Specialty Wire Applications 73
Speed Variation Method 762
Spring Design Data
by Harold C. R. Carlson 76
Spring Design, Wire in 1141
Spring Wire Tempering 1374
Stainless Steel Coatings 1018
Steel Statistics 245, 380, 640, 912, 1582
Steel Wire Coating with Plastics 41
Steel Wire Industry, Growth of 991
Steel Wire Patenting Process 1547
Steel Wire Processing for Cold Heading 1338
Story of Aluminum Insect Wire Screening, The
by Peter M. Miranda 1692
Stranding Equipment Evolution 866
Surface Defect Detection
by Harry F. Ammarell and Richard B. Moyer 1525
Swing to Aluminium for Electric Wires and Cables in India, The
by V. G. G. Nayar and S. Peer Mohammed 1403
Sylvania Dedicates and Opens New Weld Plant 891
Tape Standardization Program 753
Techalloy's Growth — A Modern Business Saga 215
Tension Control in a Steel Mill 884
Test Report: Man-Made Diamonds for Diamond Die Finishing
by Jack Wiziarde and E. L. Kapernaros 1559
Testing Copper for Elongation 1370
Testing Wire for Faults Nondestructively 1393
Thin Film Anodic Aluminum Oxide Insulation on Round and Flat Wire
by Henry Walker 462
Transport Organisation — The Economic Aspects in Relation to the Light Steel Industry
by Mrs. J. E. Haslam 1030
Truck Leasing
by A. J. Schoen 483
Twentieth Century Renaissance in the Steel Wire Industry, The
by A. M. Reeder 991
Two New Modern Wire Plants Dedicated 1022
Ultrasonics in Motion
by John Logan 1681
Underwriters' Laboratories Requirements 1536
Unique System of Gauge and Tension Control in a Steel Mill, A
by Leo Walter 884
Unique and Unusual Use of Wire, A
by Robert F. Carmody 1012
Unusual Photocell Loop Control System for Wire Rod Mill 1540
Vacuum Annealing Plant for Copper Wire Comes into Operation in England
by Leo Walter 209
Vacuum Annealing of Steel Wire 470
Vacuum Hopper in the Extrusion of Electrical Insulation Using PVC Dry Blends, The
by Neil T. Flathers, Robert E. Johnson, Vernon R. Pallas and W. Mayo Smith 745
Variable Back-Twist in Rope Making Machinery
by Hans-Werner Schinke 1398
Vector CV — Continuous Vulcanization of High Voltage Cable in a Catenary Tube
by Harold H. Ramsey and John C. Ramsey .. 65
Ventilating System for Wire Coating Line 1511
Vulcanization in Catenary Tube 65
Waterbury-Farrel Dedicates New Plant 897
Wetting Agents 1146
What's Behind the Underwriters' Laboratories Requirements for Insulated Wire and Cables
by H. E. Collins 1536
Wire Association Electric Wire & Cable Regional Meeting 756
Wire Association San Francisco Regional Meeting 1010
Wire Coating with Polyethylene Resin: Improvement in Extrudate Quality by Using Sensitive Instrumentation
by Dr. F. H. Skewis 1338
Wire, Decarburization of 336
Wire Drawing Calculations 1133
Wire Electrogalvanizing Process at The Steel Company of Canada Ltd. Dominion Works
by N. M. Switucha 1321
Wire Industry Charts and Graphs 1387
Wire Insulating by the Fluidized Bed Process
by C. A. Brown 750
Wire Kinks 85, 217, 341, 479, 609, 769, 893, 1025, 1153, 1409, 1569, 1699
Wire Mill Solves Materials Handling Problem with Construction Machine
by T. D. Crimmins 581
Wire Products in Days of Yore
by Hans-Erich Fischer 211
Wire Rope Lubrication 1696
Wire in Spring Design 1141
Wire Outlook, The 39, 179, 311, 455, 579, 737, 859, 989, 1131, 1319, 1523, 1667
Wire Rod Defects 591
Wire Testing, Nondestructive 1393
Wire, Tire Bead 881
Wire, Vacuum Annealing of Steel 470
Wire, Unusual Use of 1012
Wonderful World of Wire Rope, The 616
X-Ray Measurement of Intragranular Misorientation of Metals 482
Zinc Rod Casting and Rolling 1349